

ABSTRACT

An miniature integrating sphere has a spherical volume with walls of a material for reflecting light, a light inlet and a light outlet. The light inlet is offset from a diameter axis of the spherical volume and the light inlet and light outlet are offset at non-perpendicular and non-parallel relation to each other. The light inlet is molded or milled to a shape conforming to the shape of the cone of light provided by a fiber optic device as an input to the integrating sphere. A number of miniature integrating spheres may be used respectively in plural channels of an optical measurement instrument.

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